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8 Jun 61	1	COMOR-D-39, subj: AMS-CIA TALENT/KEYHOLE Photo Map Program
27 Jun 61	24	COMOR-D-39/1, subj: Downgrading of TALENT-KEYHOLE Photo Maps

NIMA Declassification/Release Instructions on File

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			27 June 1961
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	MEMORANDUM FOR:	Committee o	on Overhead Reconnaissance
	SUBJECT:	Downgrading Photo Maps	3 of Talent-Keyhole
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Downgrading of TALENT-KEYHOLE Photo Maps

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- 1. Production of TALENT-KEYHOLE photo maps through
 joint participation of the Army Map Service and CIA has been undertaken
 as one means of using the results of the KEYHOLE reconnaissance
 program to satisfy certain requirements of the intelligence community.
 The photo maps will serve the following purposes:
 - analyses who are responsible for assessing the development of Sino-Soviet military and scientific programs and who are relying increasingly on intensive area analysis in arriving at judgments.
 - b. To provide all intelligence analysts with an infallible data base of priority information against which to check new material and from which to determine areal interrelationships.
 - viding accurate maps on which to pinpoint targets to be collected by means other than satellite reconnaissance.

 In addition, the maps can prove valuable as guides toward the elimination of collection requirements already satisfied.

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- d. To provide the military services with complete large-scale interim maps to cover planning needs until topographic maps can be compiled.
- e. To improve the geodetic accuracy of existing map holdings. (Although the photo maps are primarily oriented toward presenting collated intelligence, the best available geodetic control data is used in their construction.)
- f. To provide a systematic presentation of annotated KEYHOLE photography for use by NPIC in readout of future satellite reconnaissance missions.
- g. To provide readily usable cartographic bases on which a variety of information may be overlayed for briefing purposes.

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i. To assist war planners in determining strike routes and target selection. In this respect the Directorate of Intelligence, SAC, was requested to evaluate proofs of two maps and to suggest types of annotations not already incorporated. The suggestions

made were accepted and will be adhered to throughout Approved For Release 2003/12/03: CIA-RDP75B00621R000100050001-1

the program.

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Maps produced to date have been classified TOP SECRET 2. (RUFF) and consequently must be given extremely limited distribution. However, because of their potential contribution to the solution of numerous intelligence problems and to the filling of high priority detailed mapping requirements, the interests of the intelligence community could best be served by reducing their classification and control as has to SECRET NOFORN been done with products resulting from the U-2 program. As a result of reduced classification, non-KEYHOLE-cleared intelligence personnel who require maps as analytical aids will have access for the first time to the most accurate and comprehensive compilations available to the West. Multiple copies of downgraded maps could then be deposited in map libraries without taxing the limited KEYHOLE storage areas and eliminating a number of administrative burdens.

3. The remainder of this memorandum examines ways and means of achieving downgrading without jeopardizing KEYHOLE security and proposes a step-by-step approach to downgrading that will effect release over a period of time.

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	Problems Encountered in Downgrading TALENT-KEYHOLE Photo Ma	25
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1 de la companya de l	It is therefore necessary to examine the elements which	1
e e e e e e e e e e e e e e e e e e e	conceivably could reveal the precise nature of the photo base. These	
a colonia de la	elements are the technical characteristics of the photography, the	•
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	extent of coverage, and the date of acquisition.	
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	Extent of Coverage
•	6. Intelligence personnel cleared to the SECRET NOFORN
i I	level are well aware of the fact that several overflight programs have
05)/44	collected photography over the Sino-Soviet Bloc. Some of this photog-
25X1A	raphy (TALENT and was considered highly sensitive and was
U	closely controlled as long as the operations were continuing but subse-
: !	quently has been downgraded; other programs (Genetrix and
	were classified SECRET or less from the outset. It is, therefore,
	recognized in the intelligence community and in other government
	operations and is not denied that the U.S. possesses classified over-
	flight photography and that it is utilizing it in every possible way for
	intelligence purposes. The sole remaining security considerations are:
	a. Extent of coverage, and
	b. Date of acquisition (discussed in paragraph below).
	Regarding the former, it is recognized that downgrading of photo maps
	should not be so extensive as to suggest to TALENT 25X1/
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Approved For Release 2003/12/03: CIA-RDP75B00621R 100050001-1 25X1 25X1 TOP SECRET personnel (who have not been indoctrinated) into the KEYHOLE program that additional unique material is involved. (One result of downgrading 25X1A of TALENT and photography has been to acquaint unwitting personnel with the fact that considerable overflight activity about which they knew little or nothing has been accomplished.) Consequently, as a means of avoiding the disclosure of total coverage it is proposed to restrict the downgrading of photo maps to those areas covered in large part or contiguous to areas previously photographed. The accompanying map shows the more important areas of existing non-KEYHOLE photography on the Sino-Soviet Bloc and the 1:250,000 map areas considered safe to downgrade provided they meet the cloud free provision discussed above. Date of Acquisition 25X6 7. Non-KEYHOLE-indoctrinated personnel are unaware 25X6 This fact is a major reason for the existence of the KEYHOLE security system and should be protected against disclosure. However, because the photo maps are constructed to relatively small scale format and because they are heavily annotated from material drawn from all intelligence sources,

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•	the undoctrinated person would have considerable difficulty in determin-	
de la laconomiento de la companya de	ing whether the planimetric detail and the cultural features highlighted	
25X1D	were derived from the base photography or from collateral source	25X6
	material. Maps already produced from]
25X1D	are annotated from source materials acquired since the photograph	h v
	was obtained. In any case, the date of photo base will either be omitted	•
	entirely or coded in a manner designed to be unintelligible to the non-	
i America	cleared user. The standard procedure of showing the date of the most	
25X1D	recent intelligence information will be substituted as the nominal date	
	for downgrado. maps.	٦
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entities are a second of the s		
	Summary of Proposed Downgrading Procedures	
The state of the s	8. Only photomaps which adhere to the following specifica-	
25X1A	tions will be down as a second	25X1 <i>A</i>
de la companya de la		
	a. Those free of clouds or those from which	
1	clouds and their shadows have been completely removed	
	either by photographic retouching or by patching from	
	subsequent cloud-free photography.	
Service of the servic	Approved For Release 2003/12/03 : CIA-RDP75B00621R000100050001-1	25X′

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	b. Those made from mosaics prepared in
	such a way as to disguise the characteristics of the
	original photographic format.
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	d. Those on which the date of the photographic
	base is obscured by the planimetric detail or by annotations

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12--OCI TCO

13--OSI TCO

14--ORR TCO

15--DIRNPIC

16--TSO CIA

17--OPS OFF/NPIC

18--C/DMD/NPIC

19--DDP TCO

20--Intel Staff/DPD

21--SO/DPD

22-27--C/SRS/DPD/DDP

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8 June 1961

MEMORANDUM FOR: Members of COMOR

SUBJECT:

AMS-CIA TALENT/KEYHOLE Photo Mup Program

As requested by the Chairman, COMOR the following is a summary of the oral briefing presented to COMOR on 23 May 1961. Attached are press proofs of three map areas for members retention.

A. Purposes of the Photo Map Program

- 1. To provide a working tool for intelligence analysts who are responsible for assessing the development of Sino-Soviet military and scientific programs and who are relying increasingly on intensive area analysis in arriving at judgements.
- 2. To provide all intelligence analysts with an infallible data base of priority information against which to check new material and from which to determine areal interrelationships.
- 3. To assist intelligence collectors by providing accurate maps on which to pinpoint targets to be collected by means other than satellite reconnaissance. In addition, the maps can prove valuable as guides toward the elimination of collection requirements already satisfied.
- 4. To provide the military services with complete large-scale interim maps to cover planning needs until topographic maps can be compiled.
- 5. To improve the geodetic accuracy of existing map holdings. (Although the photo maps are primarily oriented toward presenting collated intelligence, the best available geodetic control data is used in their construction).
- 6. To provide a systematic presentation of annotated Keyhole photography for use by NPIC in readout of future satellite reconnaissance missions.
- 7. To provide readily useable cartographic bases on which a variety of information may be overlayed for briefing purposes.

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В.	Types of Intelligence Annotated (selected from full list of over 30 categories)
	1. Land and water transportation routes. (Because of the intelligence importance of rail spurs and sidings an intensive effort is made to ascertain the economic or military justification of those discernible on photography).
	2. Major drainage systems
	3 Extent of urbanization
	4. Areas under cultivation at time of photography
	7. Major industrial installations
	8. Construction projects
	9. Meterological stations
	10. Power lines
	12. Man-made objects over 200 feet above surrounding terrain. (requested by SAC)
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14. AAA order of battle (requested by SAC)

C. Procedures Followed in Compiling Maps

In response to priorities established by the TCO/ORR, CIA, the Engineer Special Projects area, Army Mup Service (ESPA) prepares 1:250,000 scale map mosaics of Keyhole photography corresponding to sheet lines already established for the UTM topographic series. ESPA personnel highlight in color the natural and cultural features as are visible on the photography.

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D.

E. Production Schedule

An exchange of correspondence between the Deputy Director/ Intelligence, CIA and the Assistant Chief of Staff/Intelligence, Army has established a rate of production of 30 maps

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per month to be achieved by 15 September 1961. At this rate, and assuming future KEYHOLE missions to fill existing coverage gaps, five years will be required to complete the program relating to the USSR. Both CIA and AMS stand ready, however, to increase production should new material or new priorities warrant a speedup.

F. Distribution

1. COMOR members are requested to canvass the appropriate components within their departments or agencies to determine the quantities of photo map sheets required. Other than classification restrictions, no limit on number of copies available for any component is contemplated.

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- 2. It is requested that the requirements thus determined be submitted to the Army Member, COMDR, Attention: via appropriate TALENT/KEYHOLE channels so as to reach the addressee by 17 June, 1961.
- 3. The Army Member will consolidate the requirements and forward them to ESPA, Army Map Service, with appropriate distribution instruction.
- 4. Because of the restrictions imposed on receipting and storing RUFF material, it is requested that members indicate proper addresses of designated recipients in order that the TCO Army can effect prompt dispatch and delivery.
- 5. As new sheets are printed, distribution will be affected by the TCO, Army without re-canvass of members. Any amendments to initial distribution requirements should be directed to the Army member COMOR as indicated in F 1 above.

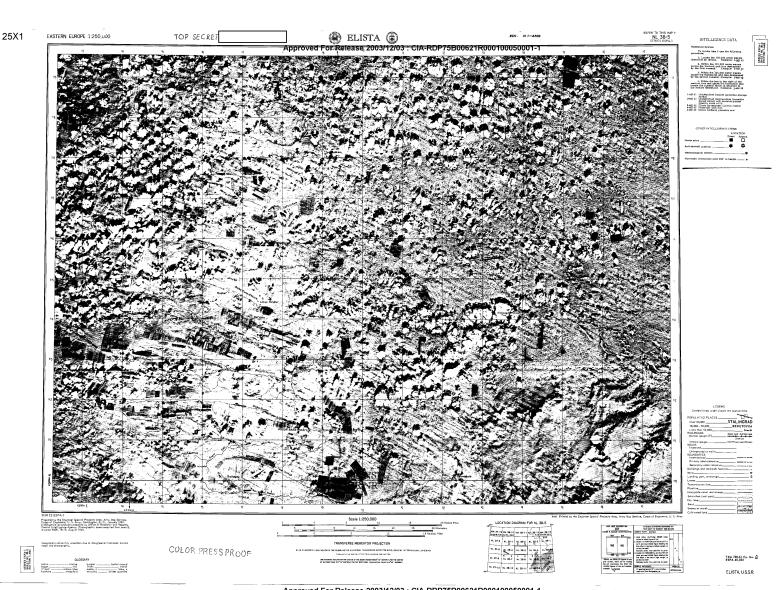
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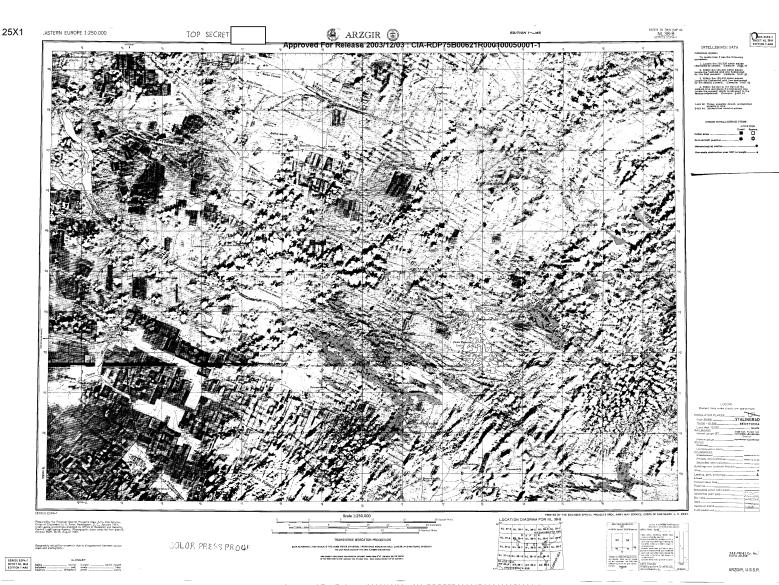
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Attachments: 1:250,000 scale photo map press proofs TAK 700-6/-#40 TAK 705-6/-#2 Copy 1 -- Chairman COMOR 2 -- State TCO 3 -- OSD 4 -- JCS TCO 5 -- OAC SI TCO 6 -- ONI TCO 7 -- AFCIN TCO 8 -- NSA TCO 9 -- DD/I (P) TCO 10 - OCI TCO 11 - OSI TCO 12 - Director, NPIC 13 - Intel Staff, DPD 14 - C/DMD/ NPIC



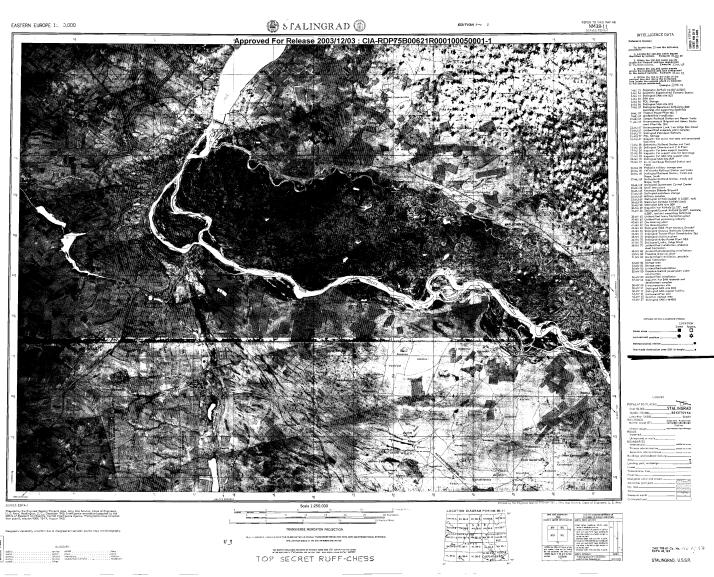
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